

## PHOSPHATE-BASED ADDITIVE FOR WORKING LIQUID AND FOR LUBRICANT COMPOSITION

**Publication number:** JP10338892

**Publication date:** 1998-12-22

**Inventor:** KAROL THOMAS J; DONNELLY STEVEN G; STUNKEL BRAIN W

**Applicant:** VANDERBILT CO R T

**Classification:**

**- International:** C10M129/10; C10M133/12; C10M133/44; C10M135/10; C10M135/18; C10M137/08; C10M137/10; C10M141/10; C10N10/02; C10N10/04; C10N30/10; C10N40/04; C10N40/08; C10M129/00; C10M133/00; C10M135/00; C10M137/00; C10M141/00; (IPC1-7): C10M141/10; C10M129/10; C10M133/12; C10M133/44; C10M135/10; C10M135/18; C10M137/08; C10M137/10; C10M141/10; C10N10/02; C10N10/04; C10N30/10; C10N40/08

**- European:** C10M141/10

**Application number:** JP19980022532 19980121

**Priority number(s):** US19970866963 19970602

**Also published as:**



EP0821053 (A2)

US6046144 (A1)

EP0821053 (A3)

HU220107 (B)

AU698079B (B1)

[Report a data error here](#)

### Abstract of JP10338892

**PROBLEM TO BE SOLVED:** To provide an antioxidant compsn. for a base oil of a working liquid or a lubricant compsn. **SOLUTION:** This additive comprises an amine salt of an alkyl phosphate (A)(the amine being selected from among ammonia, prim, amines, sec. amines, and their mixtures) and an ammonium, ethylenediamine, or metal salt of a petroleum or arom. sulfonate (B)(the metal being selected from among alkali and alkaline earth metals; and the arom. susbtituent being selected from among 8-20C alkylbenzene and alkyl naphthalene groups each having a 1-4C alkyl group) in a ratio of from about 14:1 to about 1:2.75.

---

Data supplied from the esp@cenet database - Worldwide